

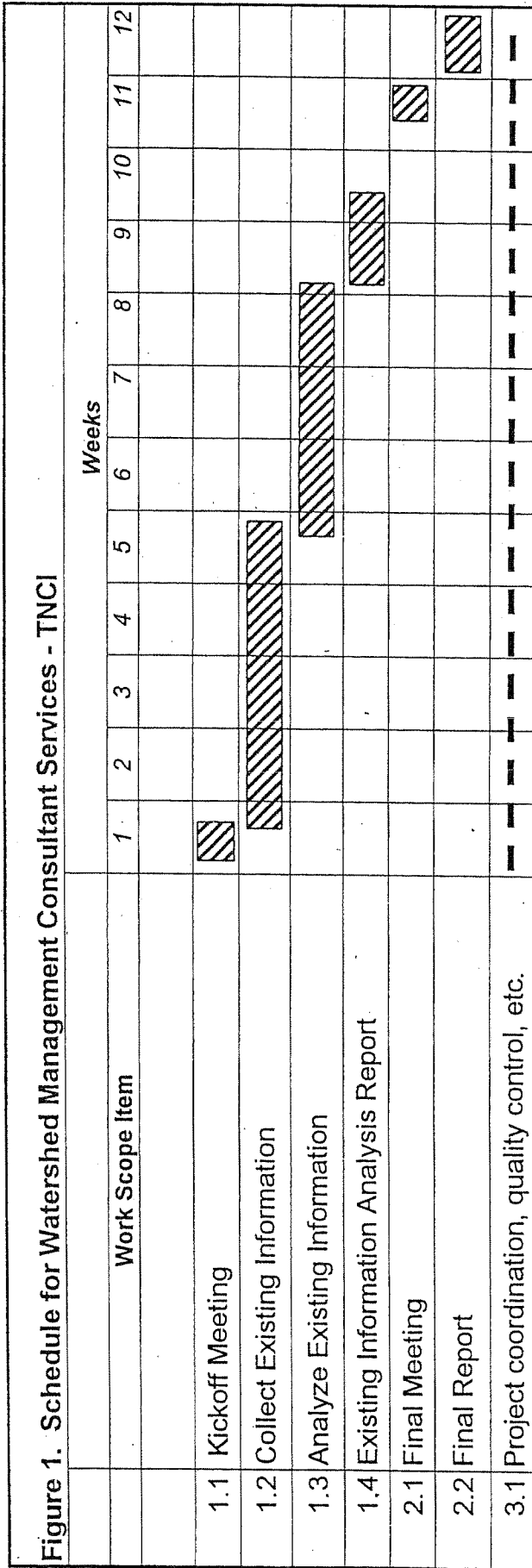
State of California – The Resources Agency
RIVERS AND MOUNTAINS CONSERVANCY

**CALIFORNIA CLEAN WATER, CLEAN AIR, SAFE NEIGHBORHOOD PARKS, AND
COASTAL PROTECTION ACT OF 2002**

SMALL GRANT PROJECT APPLICATION

This Form and Required Attachments Must Be Submitted for Each Project Site

PROJECT NAME Establish an Economic Value for Watershed Management Techniques	AMOUNT OF GRANT REQUESTED (Not to exceed \$100,000) \$100,000 <hr/> Estimated TOTAL PROJECT COST (State Grant and other funds) \$200,000													
Grant Applicant (Agency/Organization and Address) Los Angeles County Department of Public Works 900 South Fremont Avenue Alhambra, CA 91803	COUNTY Los Angeles	NEAREST CITY Los Angeles												
	PROJECT ADDRESS N/A													
	NEAREST CROSS STREET N/A													
	SENATE DISTRICT NO. N/A	ASSEMBLY DISTRICT NO. N/A												
Grant Applicant's Representative Authorized in Resolution <table style="width: 100%;"> <tr> <td style="width: 50%;">James A. Noyes</td> <td style="width: 20%;">Director</td> <td style="width: 30%;">(626) 458-4000</td> </tr> <tr> <td style="text-align: center;">Name</td> <td style="text-align: center;">Title</td> <td style="text-align: center;">Phone</td> </tr> </table> Person with day-to-day responsibility for Project (if different from authorized representative) <table style="width: 100%;"> <tr> <td style="width: 50%;">Karen Y. Luo</td> <td style="width: 20%;">Associate Civil Engineer</td> <td style="width: 30%;">(626) 458-4322</td> </tr> <tr> <td style="text-align: center;">Name</td> <td style="text-align: center;">Title</td> <td style="text-align: center;">Phone</td> </tr> </table>			James A. Noyes	Director	(626) 458-4000	Name	Title	Phone	Karen Y. Luo	Associate Civil Engineer	(626) 458-4322	Name	Title	Phone
James A. Noyes	Director	(626) 458-4000												
Name	Title	Phone												
Karen Y. Luo	Associate Civil Engineer	(626) 458-4322												
Name	Title	Phone												
Brief description of Project The objective of this study is to research and develop a methodology for establishing the monetary value provided by the application of watershed management techniques. This methodology will be useful during the selection and justification processes for projects that integrate watershed management techniques. The evaluation of watershed management techniques includes the quality of life enhancements derived from, but not limited to, multiuse projects, wetland creation, habitat creation and preservation, property value enhancements, flood protection, recreation, landscaping, recycling of green waste/composting, groundwater recharge, improved water and air qualities, and aesthetics.														
I certify that the information contained in this Project Application form and Application requirements is accurate. <table style="width: 100%;"> <tr> <td style="width: 60%;"> Signed <u>K. L. Sankhi</u> Grant Applicant's Authorized Representative as shown in Resolution </td> <td style="width: 40%; text-align: right;"> <u>2/27/03</u> Date </td> </tr> </table>			Signed <u>K. L. Sankhi</u> Grant Applicant's Authorized Representative as shown in Resolution	<u>2/27/03</u> Date										
Signed <u>K. L. Sankhi</u> Grant Applicant's Authorized Representative as shown in Resolution	<u>2/27/03</u> Date													



BUDGET

<u>TASK</u>	Unit Price	Quantity	Agency Grant \$	In-Kind \$	Other Funding \$ Source	Total Amount \$
Admin. Coordination, Consultant Project Management, and Quality Control/Assurance						
A.1 Preparation of project schedule, biweekly project update to the County Project Manager	\$135.00	24	\$0.00	\$3,240.00	\$0.00	\$3,240.00
A.2 County Administration	\$41,000.00	1	\$0.00	\$41,000.00	\$0.00	\$41,000.00
Subtotal						\$44,240.00
Phase 1 Model Structure and Input Requirements Check						
1.1 Kickoff Meeting	\$135.00	22	\$0.00	\$2,970.00	\$0.00	\$2,970.00
1.2 Conduct Initial "survey level" background literature	\$120.00	16	\$1,920.00	\$0.00	\$0.00	\$1,920.00
1.3 Identify typical/likely projects or scenarios, and range of combinations of enhancements associated with certain types of projects	\$140.00	8	\$1,120.00	\$0.00	\$0.00	\$1,120.00
1.4 Prepare model framework, defining association between enhancements, benefits, empirical formulas and data requirements and sources	\$140.00	24	\$3,360.00	\$0.00	\$0.00	\$3,360.00
1.5 Develop preliminary structure for each formula required	\$130.00	36	\$4,680.00	\$0.00	\$0.00	\$4,680.00
1.6 Compile list of data requirements and sources for data	\$110.00	24	\$2,640.00	\$0.00	\$0.00	\$2,640.00
1.7 Conduct literature search on specific data-source requirements	\$110.00	48	\$5,280.00	\$0.00	\$0.00	\$5,280.00
1.8 Analyze formula structure and data requirements, availability, suitability and recommend actions to address any deficiencies	\$130.00	100	\$13,000.00	\$0.00	\$0.00	\$13,000.00
Subtotal						\$34,970.00
Phase 2A Factor/Data Development Based on Secondary Research						
2a.1 Locate sources and analyze secondary information to devise or refine input factors	\$110.00	40	\$4,400.00	\$0.00	\$0.00	\$4,400.00
2a.2 Locate sources and analyze secondary information to compile base data	\$110.00	52	\$5,720.00	\$0.00	\$0.00	\$5,720.00
2a.3 Conduct benefits transfer studies to locate and adapt suitable information	\$130.00	72	\$9,360.00	\$0.00	\$0.00	\$9,360.00
2a.4 Determine appropriate data-area divisions for LA County	\$110.00	60	\$6,600.00	\$0.00	\$0.00	\$6,600.00
2a.5 Inventory, categorize and compile data on biological aspects of enhancement actions	\$120.00	60	\$7,200.00	\$0.00	\$0.00	\$7,200.00
2a.6 Existing Information Analysis Report	\$120.00	24	\$0.00	\$7,800.00	\$0.00	\$7,800.00
Subtotal						\$41,080.00
Phase 2B Factor/Data Development Based on Primary Research: Examples						
2b.1 Locate sources and analyze secondary information to devise or refine input factors	\$35,000.00	1	\$6,760.00	\$28,240.00	\$0.00	\$35,000.00
2b.2 Locate sources and analyze secondary information to compile base data	\$168.00	75	\$12,600.00	\$0.00	\$0.00	\$12,600.00
2b.3 Conduct benefits transfer studies to locate and adapt suitable information	\$262.50	48	\$5,760.00	\$0.00	\$0.00	\$5,760.00
Subtotal						\$53,360.00
Phase 3 Factor/Data Development Based on Secondary Research						
3.1 Set up project conditions and values, and apply model structure and formulas; verify results and revise	\$120.00	80	\$9,600.00	\$0.00	\$0.00	\$9,600.00
Subtotal						\$9,600.00
Phase 4 Factor/Data Development Based on Secondary Research						
4.1 Select and apply case study projects	\$130.00	100	\$0.00	\$13,000.00	\$0.00	\$13,000.00
4.2 Final draft report, review meeting, Final report	\$130.00	24	\$0.00	\$3,120.00	\$0.00	\$3,120.00
Subtotal						\$16,120.00
GRAND TOTAL						\$200,000.00